

ABSTRACT OF THE DISCLOSURE

It is an object of this invention to accurately correct an output variation due to a change in temperature of a photoelectric sensor. An exposure apparatus includes a photoelectric sensor (13, 15) for controlling exposure of a wafer, a memory (21) that stores the output variation characteristic of the photoelectric sensor (13, 15) with respect to the quantity of light with which the photoelectric sensor is irradiated, a calculator (22) that calculates the output variation amount of the photoelectric sensor (13, 15) on the basis of the quantity of the light with which the photoelectric sensor (13, 15) is irradiated, the energy per unit time of the light, and the output variation characteristic stored in the memory (21), and a compensator (23) that corrects an output from the photoelectric sensor (13, 15) on the basis of the output variation amount calculated by the calculator (22).